

MISSISSIPPI MATHEMATICS AND SCIENCE PARTNERSHIP

Brief Overview

Focus

The Mississippi MSP will serve the most challenged school districts as identified by State Teacher Shortage Act and Delta RSI. These districts have the highest percentages of minorities, lowest SES and lowest academic achievement levels of any region in the state.

Overarching objectives

- Increase instructional capacity of teachers who currently work in these districts but who are teaching with less than full credentials
- Provide a variety of in-service programs for all mathematics and science teachers through innovative, research-based delivery mechanisms
- Increase number teachers who are in pre-service programs and who will serve in these districts
- Modify pre-service programs with involvement of faculty from content fields and education schools
- Increase instructional capacity available to students through technology, curriculum design and other programs

The Mississippi MSP will achieve its objectives through collaborative efforts among participating colleges and universities, school districts, pre-K programs, informal science providers, other funded programs and other partners. Program elements include:

- Curriculum analysis and assessment
- Teacher and Policy Assessment
- Professional Development
- Technology Programs
- Teacher Recruitment
- Pedagogy courses for college science and mathematics majors
- New Teacher Induction Programs
- Parental Involvement
- Mentoring Programs
- Child Development Programs
- Collaborative activities with high school guidance counselors/other advisors
- Involvement of content faculty and education faculty within partner institutions
- Engaging public and private institutions into discussion on how to improve schools in regions

Nature of the consortium The Mississippi MSP has established

The Mississippi MSP is comprised of 49 school districts aligned with Delta RSI and Mississippi Teacher Shortage Act, eight public and private universities and colleges, and other partners indicated below.

Major programs or resources The Mississippi MSP expects to "align" or leverage

- Teach for America
- Mississippi Teacher Corps
- Delta Regional Authority
- MS Department of Education
- MS Museum of Natural Science
- LSMAMP
- NASA (John C. Stennis Space Center, Mississippi)
- Foundation for the Mid-South
- SECME, Inc.
- SERVE
- EDC (Education Development Center)
- Bell South
- Foundation for Education and Economic Development
- Mid-South Delta Initiative
- Mid-South Delta Consortium
- Mississippi Public Education Forum
- Mississippi Technology Alliance
- Southern Technology Council
- Center for Community Development (Delta State University)
- Barksdale Reading Institute (University of Mississippi)
- Institute for Effective Teaching Practices (Mississippi Valley State University)
- Mississippi Action for Community Education
- Mid-Delta Empowerment Zone Alliance

Partner Colleges and Universities for Mississippi Mathematics & Science Partnership and Service Regions

North Mississippi

- University of Mississippi
- Rust College

Central Mississippi

- Mississippi Valley State University
- Delta State University
- Tougaloo College

South Mississippi

- Alcorn State University
- Jackson State University
- Mississippi College

Councils of Regional Partners

Each of the four regions will have a Council of Regional Partners (CORPs). Each CORPs will include one representative from each school district, one from each college and university, and others from partners. The CORPs will oversee the activities of their region. Each CORPs will have an operational budget that will address specific needs and identify university faculty and other consultants necessary to meet them.

Governance Design

The Mississippi MSP Governing Council

- **PI**
- **Co-PI for LEA Coordination**
- **Co-PI for College and University Coordination**
- **Co-PI for Partner Coordination**
- **CORPs Representatives***

*Each CORPs will select two representatives, one from a university and one from a district, to serve on the Mississippi MSP Governing Council.